

PATENT APPLICATION

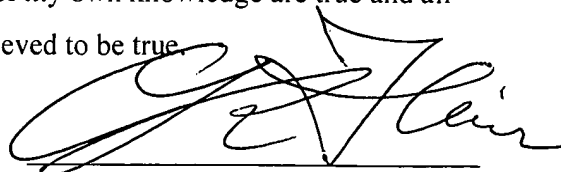
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
HEIZER, Charles K. )  
US Application No.: Unassigned ) Group Art Unit: Unknown  
Filed: Herewith ) Examiner: Unknown  
For: Gapless Screw Rotor Device )  
 )  
Attorney Docket No. 71044-014 )

**DECLARATION OF CHARLES K. HEIZER**

Comes now Charles K. Heizer and states that:

1. I am an applicant of the attached patent application entitled **GAPLESS SCREW ROTOR DEVICE**
2. As set forth in the attached petition, I am petitioning to make special the patent application filed herewith because of my age.
3. I further declare that I am over the age of 65 years, being 70 years of age and born on 7/29/33.
4. Further, being warned that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent resulting therefrom, I declare that the facts set forth in this declaration are true; and that all statements made of my own knowledge are true and all statements made of information and belief are believed to be true.

  
Charles K. Heizer

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
HEIZER, Charles K. )  
US Application No.: Unassigned ) Group Art Unit: Unknown  
Filed: Herewith ) Examiner: Unknown  
For: Gapless Screw Rotor Device )  
 )  
Attorney Docket No. 71044-014 )

Mail Stop Patent Application  
Honorable Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

PETITION TO MAKE SPECIAL DUE TO APPLICANT'S AGE &  
REQUEST FOR APPLICANT INITIATED INTERVIEW

Sir:

In accordance with 37 CFR §1.102(c) and MPEP §708.02 IV, applicant hereby petitions to make this application special because applicant is over 65 years of age. As a showing of this fact, accompanying this petition is a declaration by the applicant that he is over 65 years of age.

No fee is required with this petition, in accordance with 37 CFR § 1.102(c).

Respectfully submitted,



Dennis J.M. Donahue, III, 43,591  
HUSCH & EPPENBERGER, LLC  
190 Carondelet Plaza, Suite 600  
St. Louis, Missouri 63105  
314-480-1642  
314-480-1505

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

		<b>Express Mail No.</b>	EV332070244 US
<b>DECLARATION FOR UTILITY, DESIGN, DIVISIONAL AND CONTINUATION-IN-PART PATENT APPLICATIONS (37 CFR 1.63)</b>		<b>Attorney Docket Number</b>	71044-014
		<b>First Named Inventor</b>	Heizer, Charles K.
<input type="checkbox"/> Declaration Submitted with Initial Filing  <input type="checkbox"/> Supplemental Declaration Submitted <input checked="" type="checkbox"/> Declaration Submitted for Continuation-In-Part Filing <input type="checkbox"/> Declaration Submitted for Divisional Filing		<b>COMPLETE IF KNOWN</b>	
		<b>Application Number</b>	TBA
		<b>Filing Date</b>	herewith
		<b>Group Art Unit</b>	TBA
		<b>Examiner Name</b>	TBA

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

GAPLESS SCREW ROTOR DEVICE

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☒Customer Number  
or Bar Code Label

029493

OR ☐ Correspondence address below

Name Dennis J.M. Donahue

Address Husch &amp; Eppenberger, LLC, 190 Carondelet Plaza

City St. Louis

State MO

ZIP 63105

Country USA

Telephone 314-480-1500

Fax 314-480-1505

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :

☐ A petition has been filed for this unsigned inventorGiven Name  
(first and middle [if any]) Charles K.Family Name  
or Surname HeizerInventor's  
Signature

Date

3/25/04

Residence Mailing Address:

Residence:  
City

St. Louis

State  
MOCountry  
USACitizenship  
USA

Mailing Address 1220 Topping Road

City St. Louis,

State  
MOZIP  
63131Country  
USA

NAME OF SECOND INVENTOR :

☐ A petition has been filed for this unsigned inventorGiven Name  
(first and middle [if any])Family Name  
or SurnameInventor's  
Signature

Date

Residence Mailing Address:

Residence:  
City

State

Country

Citizenship

Mailing Address

City

State

ZIP

Country

☐ Additional inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

**PATENT**

**Docket No.: 71044-014**

**ASSIGNMENT**

In consideration of One Dollar and other good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns to Imperial Research LLC, a limited liability company, having a principal place of business at 8750 Pevely Industrial Drive, Pevely, MO 63070-1919, its successors and assigns (hereinafter Assignee"), the entire right, title and interest in the invention or improvements of the undersigned disclosed in the following applications and/or United States Letters Patent:

**Application Serial No.: TBA**

**Titled: GAPLESS SCREW ROTOR DEVICE**

**Filed: herewith**

**Executed: \_\_\_\_\_**

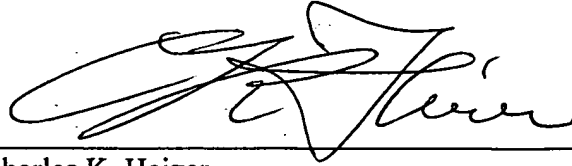
and any and all other applications for Letters Patent which the Assignee or the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States which may be obtained on any of said applications, including any identified above, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to said Assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application(s) to insert in this Assignment the serial number, filing date, and date of execution of said application(s).

For said considerations, the undersigned hereby agrees, upon the request and at the expense of said Assignee, to execute any divisional, continuation, continuation-in-part or substitute application for said invention or improvements, and any oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application(s), and, in the event of any application or Letters Patent assigned herein becoming involved in an interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. The undersigned agrees to perform, upon request, any affirmative acts to obtain said Letters Patent of the United States and vest in said Assignee all rights therein, whereby said Letters Patent will be held and enjoyed by said Assignee, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment has not been made.

And for said consideration, the undersigned hereby assigns to said Assignee the entire right, title and interest in said invention or improvements for all foreign countries, including all priority rights, and agrees to execute, at the request of said Assignee, all documents in connection with any application for foreign Letters Patent therefor.



Charles K. Heizer

3/25/04

, 2004

STATE OF Missouri

COUNTY OF St. Charles

Before me, a Notary Public in and for the County and State aforesaid, appeared to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act for the uses and purposes therein expressed.

LANA BETH EKISS  
Notary Public - State of Missouri  
St. Charles County  
My Commission Expires: July 9, 2007



Notary Public

<b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT</b> <b>(Under 37 CFR 1.97(b) or 1.97(c))</b>			Docket No. 71044/014
In Re Application Of: Heizer, Charles K.			
Serial No. TBA	Filing Date herewith	Examiner TBA	Group Art Unit TBA
Title: GAPLESS SCREW ROTOR DEVICE			
Address to: MAIL STOP Commissioner for Patents P.O. Box 1450 Alexandria, VA 22131-1450  <b>37 CFR 1.97(b)</b>  1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.  <b>37 CFR 1.97(c)</b>  2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:  <input type="checkbox"/> the statement specified in 37 CFR 1.97(e);  <b>OR</b>  <input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).			

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

71044/014

In Re Application:

Heizer, Charles K.

Serial No.

TBA

Filing Date

herewith

Examiner

TBA

Group Art Unit

TBA

Title:

GAPLESS SCREW ROTOR DEVICE

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \$ is attached.
- ☐ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 08-3460 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \$
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

**Certificate of Mailing by Express Mail**

I certify that this document and fee is being deposited on 3/27/04 with the U.S. Postal Service as Express Mail under 37 C.F.R. 1.10 and addressed to **Mail Stop, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22131-1450**

**Express Mail No.: EV 332070244 US**

*[Signature]*  
Signature of Person Mailing Correspondence

*Dennis Donahue*  
Typed or Printed Name of Person Mailing Certificate

*[Signature]*  
Signature

Dennis J.M. Donahue, III, 43,591  
Husch & Eppenger, LLC  
190 Carondelet Plaza  
St. Louis, MO 63105  
314-480-1500  
314-480-1505 FAX

Date:

3/27/04

Customer No: 029493



<b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT</b> <b>(Under 37 CFR 1.97(b) or 1.97(c))</b>	Docket No. 71044/014
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In Re Application:  
Heizer, Charles K.

Serial No. TBA	Filing Date herewith	Examiner TBA	Group Art Unit TBA
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Title:  
GAPLESS SCREW ROTOR DEVICE

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**COPY**

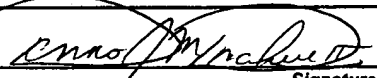
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Express Mail No.: EV 332070244 US

  
Signature of Person Mailing Correspondence

Dennis Donahue  
Typed or Printed Name of Person Mailing Certificate

 Signature
Dennis J.M. Donahue, III, 43,591 Husch & Eppenberger, LLC 190 Carondelet Plaza St. Louis, MO 63105 314-480-1500 314-480-1505 FAX
Date: <u>3/27/04</u>
Customer No: 029493